

Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

1.9622
3M68
Exp. 3

U. S. D. OF AGRICULTURE
LIBRARY
JUN 14 1961
CURRENT SERIAL RECORDS

BLACK LOCUST

a bibliography

David T. Funk and
Benjamin A. Roach

United States Department of Agriculture — Forest Service

Central States Forest Experiment Station — Misc. Release 33

May 1961

BLACK LOCUST

a bibliography

DAVID T. FUNK and
BENJAMIN A. ROACH
Research Foresters
Athens field office

U. S. DEPARTMENT OF AGRICULTURE - FOREST SERVICE

CENTRAL STATES FOREST EXPERIMENT STATION

R. D. LANE, DIRECTOR

111 OLD FEDERAL BUILDING, COLUMBUS, OHIO

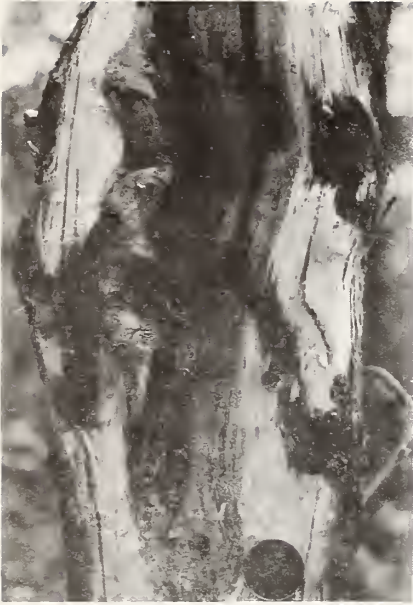


FOREWORD

Black locust (Robinia pseudoacacia L.) is a tree uniquely suited to planting on poor sites such as "worn out" and eroded land and strip-mine banks. It survives well, grows fast, improves the site by fixing nitrogen in the soil, and is unusually decay resistant. Because of all this, black locust has been planted widely in this country, in Europe, and throughout the world. As would be expected, its popularity has resulted in a large mass of literature over the years.

We have tried to assemble all technical, English-language literature dealing with black locust published in the past 40 years. Textbooks and some popular articles were intentionally omitted. Foreign-language material is included on an admittedly subjective basis: Most of what we have listed has been published in the past 15 years and either summarizes results of foreign locust culture or is otherwise significant.

We would be glad to have readers call our attention to any errors in the list and would also welcome any suggested additions that might be included in a future revised version.



LEFT: The locust borer is black locust's most destructive enemy.

BELOW: Because of its strength and durability, black locust is a favorite species for fence posts in the Central States.



CONTENTS

	Page
History, occurrence, general	1
Physiology, cytology, morphology (including nodulation)	4
Genetics	7
Ecology:	
Silvics and phenology	9
Effect on soil	11
Sociology and succession	13
Artificial regeneration:	
Local planting, gully reclamation	14
Field planting techniques	16
Seed collection, treatment, nursery practice . .	17
Vegetative propagation	20
Fertilization	21
Black locust as a nurse tree	22
Spoil-bank reclamation	23
Silviculture and management	25
Insects	27
Diseases	29
Site characteristics and quality	31
Wood technology and chemistry	33
Products, manufacturing, preservation	35
Use by wild and domestic animals	37
Measurements	38

HISTORY, OCCURRENCE, GENERAL

See also: 203

1. Berry, Edward W.
1918. Geologic history of the locust and its allies.
Plant World 21: 284-298, illus.
2. Betts, H. S.
1945. Black locust. 5 pp., illus. U.S. Forest Service.
3. Blümke, S.
1950. Die Robinie in Deutschland. Forstw. Holzwirtschaft
4: 8-16, illus. (In German.)
4. _____
1956. Beiträge zur Kenntnis der Robinie (Contribution
to knowledge of the locust.) Mitt. Deut. Dendrol.
Gessell. 59: 38-65, illus. (In German.)
5. Clarkson, Roy B.
1958. The genus Robinia in West Virginia. Castanea 23:
56-58.
6. Cope, J. A.
1929. Concerning black locust in New York. Jour.
Forestry 27: 825-831.
7. Crumley, J. J.
1917. The black locust, Robinia pseudoacacia. Ohio
Forester 9(3): 30-34, illus.
8. Detwiler, Samuel B.
1917. The locusts, identification and characteristics.
Amer. Forests 23: 88-93, illus.
9. _____
1937. The history of shipmast locust. Jour. Forestry
35: 709-712, illus.
10. Feher, Daniel
1935. Das Robinienproblem. Ztschr. Forst-und Jagdw.
67: 265-283. (In German.)

11. Feher, Daniel
1955. Az Akackerdes. Erdő 3: 83-91. (In Hungarian.)
12. Fekete, Zoltan
1955. Hozzaszolas az Akackerdeshez. Erdő 1: 12-18, illus. (In Hungarian.)
13. Göhre, Kurt
1952. Die Robinie und ihr Holz. 344 pp., illus. Deutscher Bauernverlag, Berlin.
14. Hanikirsch, Willibald
1918. Über die Verwendung von Robiniensamen als Nahrungsmittel. (The use of locust seeds as food.) Ztschr. f. Untersuch. Nahr.-u. Genussmtl. 36: 110-115, illus. (In German.)
15. Hbg. (Hauberg), P.
1956. Robinie. Dansk Skovfor. Tidsskr. 41: 80-83. (In Danish.)
16. Hausendorff, E.
1951. Für und wider die Robinie. (For and against black locust.) Forst-Wiss. Centbl. 70: 235-247. (In German.)
17. Hicks, John S.
1883. The black or yellow locust. Amer. Jour. Forestry 1: 465-469.
18. Lewis, Clarence E.
1958. Two legumes with landscape value. Amer. Nurseryman 108(6): 12-13, 93-95, illus.
19. McIntyre, Arthur G.
1929. Black locust in Pennsylvania. Pa. Agr. Expt. Sta. Bul. 236, 20 pp., illus.
20. Magyar, Pal.
1955. Az Akackerdeshez. (The Robinia problem.) Erdő 1: 18-25, illus. (In Hungarian.)
21. Maryland State Board of Forestry
1922. Black locust. Leaflet 29, 4 pp., illus.
22. Palmer, Ernest J.
1923. The Red River Forest at Fulton, Arkansas. Jour. Arnold Arboretum 4: 8-33.

23. Raber, Oran
1938. The history of shipmast locust. Jour. Forestry
36: 1116-1119.
24. Roth, Gyula
1955. Az akacia helye a Magyar erdogazdasagban. (Role
of the locust in the Hungarian forest economy.)
Erdő 2: 48-52. (In Hungarian.)
25. Rothrock, J. T.
1908. Locust planting by the Pennsylvania Railroad
Company. Forest Leaves 11: 167-168.
26. Sargent, Charles S.
1921. Notes on North American trees. VIII. Jour.
Arnold Arboretum 2: 164-174.
27. Smith, Norman F.
1951. Black locust. Mich. Conserv. 20(6): 25-26, illus.
28. Ware, L. M.
1935. The black locust in Alabama. Ala. Agr. Expt. Sta.
Cir. 73, 15 pp., illus.
29. Whipple, Gurth
1927. Historical trees of the State of New York. (Rev.)
N. Y. State Col. of Forestry, Syracuse.

PHYSIOLOGY, CYTOLOGY, MORPHOLOGY

(Including nodulation)

30. Bunger, Myron T., and Thompson, Hugh J.
1938. Root development as a factor in the success or failure of windbreak trees in the southern high plains. Jour. Forestry 36: 790-803, illus.
31. Buvat, Roger
1954. Sur la membrane moyenne des ponctuations dans le xyleme secondaire de quelques dicotyledones. (The pit membrane of the secondary xylem of some dicotyledons.) Acad. des Sci. Colon. Paris, Compt. Rend. 239: 1833-1835, illus. (In French.)
32.

1955. Evolution du liber de Robinia pseudoacacia. (Development of the phloem of R. pseudoacacia.) Acad. des Sci. Colon. Paris, Compt. Rend. 241: 1492-1495, illus. (In French.)
33.

1956. Variations saisonnieres du chondriome dans le cambium de Robinia pseudoacacia. Acad. des Sci. Colon. Paris, Compt. Rend. 243: 1908-1911, illus. (In French.)
34.

1956. Variations saisonnieres du chondriome dans les cellules parenchymateuses du phloeme de Robinia pseudoacacia. Acad. des Sci. Colon. Paris, Compt. Rend. 243: 2127-2130, illus. (In French.)
35. Corovic, Milica, and Stjepanovic, Leposava
1958. (The growth of root and root hairs in plants in Pinus nigra L. and Robinia pseudoacacia L. under different temperatures of substratum.) Sumarstvo 11: 305-314, illus. (In Slovenian, English summary.)
36. Ewart, M. H., Siminovitch, D. and Briggs, D. R.
1953. Studies on the chemistry of the living bark of the black locust tree in relation to its frost hardiness. VI. Amylase and phosphorylase systems of bark tissues. Plant Physiol. 28: 629-644, illus.

37. Ewart, M. H., Siminovitch, D. and Briggs, D. R.
1954. Studies on the chemistry of the living bark of the black locust in relation to its frost hardiness. VIII. Possible enzymatic processes involved in starch-sucrose interconversions. *Plant Physiol.* 29: 407-413.
38. Feher, D. and Bokor, R.
1926. Untersuchungen über die bakterielle Wurzelsymbiose einiger Leguminosenhölzer. *Planta, Arch. f. Wiss. Bot. Abt. D* 2: 406-413, illus. (In German.)
39. Frank, B.
1890. Ueber Assimilation von Stickstoff aus der Luft durch *Robinia pseudoacacia*. *Deut. Bot. Gesell. Ber.* 8: 292-294. (In German.)
40. Fraser, Donald A.
1958. Growth mechanisms in hardwoods. *Pulp and Paper Mag. Canada* 59: 202-209, illus.
41. Gibbs, R. Darnley
1958. Patterns in the seasonal water content of trees. In: *Forest Physiol.*, 678 pp., illus. New York.
42. Keresztesi, Bela
1955. Nehany adat as akac gyökkerrendszereöl. (Some data on the root system of black locust.) *Erdö* 4: 113-121, illus. (In Hungarian.)
43. Rai, G. S., and Hamner, C. L.
1955. Inhibiting the growth of plants with maleic hydrazide. *Mich. Agr. Expt. Sta., Quart. Bul.* 37: 375-380, illus.
44. Seeliger, Ilse
1956. Über die Kultur isolierter Wurzeln der Robinie (*Robinia pseudoacacia* L.). (Culture of isolated roots of black locust.) *Flora* 144: 47-83, illus. (In German.)
45. Siminovitch, D., and Briggs, D. R.
1953. Studies on the chemistry of the living bark of the black locust tree in relation to its frost hardiness. III. The validity of plasmolysis and desiccation tests for determining the frost hardiness of bark tissue. *Plant Physiol.* 28: 15-34, illus.

46. Siminovitch, D., and Briggs, D. R.
1953. Studies on the chemistry of the living bark of the black locust tree in relation to its frost hardiness. IV. Effects of ringing on translocation, protein synthesis and the development of hardiness. *Plant Physiol.* 28: 177-200, illus.
47. Stebbins, G. Ledyard, Jr.
1938. Cytological characteristics associated with the different growth habits in the dicotyledons. *Amer. Jour. Bot.* 25: 190-197, illus.
48. Wallis, G. W.
1959. Effect of biocides on the growth of seedlings of Monterey pine, black locust, and European alder, and the development of their symbiotrophic organs. *Wis. Univ. Forestry Res. Note* 45, 2 pp. (Proc.)
49. Ziegler, H.
1956. Untersuchungen über die Leitung und Sekretion der Assimilate. (The translocation and secretion of assimilates.) *Planta* 47: 447-500. (In German.) (Not seen.)
50.

1958. (The importance of nodule bacterias in the nitrogen balance of *Robinia pseudoacacia* L.). *Arch. Forstw.* 7: 352-369, illus. (In German. English summary.)

GENETICS

See also: 9, 23, 221

51. Burton, C. Leslie
1932. Variation in characteristics of black locust seeds from two regions. Jour. Forestry 30: 29-33.
52. Clapper, Russell B., and Miller, John M.
1949. Breeding and selecting pest-resistant trees. U.S. Dept. Agr. Yearbook 1949: 465-471.
53. Cope, J. A.
1938. Further notes on shipmast locust. Jour. Forestry 36: 812-813.
54. Cummings, William Hawke
1947. Progeny test with black locust seed from mother trees of varied age and height growth. Jour. Forestry 45: 793-798, illus.
55. Fleischmann, Rudolf
1933. Beiträge zur Robinien Züchtung. Züchter 5: 85-88, illus. (In German.)
56. Hopp, Henry
1941. Methods of distinguishing between the shipmast and common forms of black locust on Long Island N. Y. U.S. Dept. Agr. Tech. Bul. 742, 24 pp., illus.
57.

1941. Growth-form variation in black locust and its importance in farm planting. Jour. Forestry 39: 40-46, illus.
58.

1942. Mystery among the locusts. Amer. Forests 48: 27-30, 46-47, illus.
59. Kopecky, Ferenc
1957. Nehány adat az akác nemesítésehez. (Contributions to the breeding of locust trees.) Erdesz. Kutatas Budapest 1/2: 19-29, illus. (In Hungarian. English summary.)

60. Kriebel, H. B.
1960. A prostrate mutant of black locust. Jour.
Forestry 58: 222, illus.
61. Minckler, L. S.
1948. Shipmast vs. common black locust in southern
Illinois. U.S. Dept. of Agr., Forest Service,
Cent. States Forest Expt. Sta. Note 45, 2 pp., illus.
62. Morrison, B. Y.
1935. A new variety of black locust. Sci. 82: 326-327.
63. Raber, Oran
1936. Shipmast locust, a valuable undescribed variety
of Robinia pseudoacacia. U.S. Dept. Agr. Cir.
379, 8 pp., illus.
64. Schrock, Otto
1953. Beitrag zur Züchtung der Robinie. Züchter 23:
266-272. (In German.)

ECOLOGY

SILVICS AND PHENOLOGY

See also: 93, 120

65. Allen, O. N. and Baldwin, I. L.
1954. Rhizobia - legume relationships. Soil Sci. 78: 415-427.
66. Baker, Frederick S.
1949. A revised tolerance table. Jour. Forestry 47: 179-181.
67. Bonner, James
1950. The role of toxic substances in the interactions of higher plants. Bot. Rev. 16: 51-65.
68. Cooper, William E.
1940. Frost heaving and damage to black locust seedlings. Ecol. 21: 501-504.
69. Danilov, M. D.
1954. Sutocnaja periodichnostj v roste pobegov u nekotoryh drevesnyh i kustarnikovyh porod. (Day/night periodicity of shoot growth in some tree and shrub species.) Dok. Akad. Nauk SSSR 96: 205-208. (In Russian.)
70. Daubenmire, R. F.
1949. Relation of temperature and daylength to the inception of tree growth in spring. Bot. Gaz. 110: 464-475, illus.
71. Hacskeylo, John and Goslin, William E.
1957. Foliar abscission in white ash, red oak and black locust as affected by day length. Ohio Farm and Home Res. 42: 62-63, illus.
72. Kelly, Arthur P.
1950. Mycotrophy in plants. 206 pp., illus. Waltham, Mass.
73. Levisohn, Ida
1956. Growth stimulation of forest tree seedlings by the activity of free-living mycorrhizal mycelia. Forestry 29: 53-59, illus.

74. Mesavage, Clement
1939. Frost damage to forests in northern New Jersey.
Jour. Forestry 37: 345-346.
75. Nitsch, J. P.
1957. Photoperiodism in woody plants. Amer. Soc.
Hort. Sci. Proc. 70: 526-544, illus.
76. Roach, Benjamin A.
1958. Silvical characteristics of black locust. U.S.
Dept. Agr., Forest Service, Cent. States Forest
Expt. Sta. Misc. Release 30, 15 pp., illus.
77. Tsing, Ting, Yi-hsiung, Fang, and Wan-li, Wang
1956. Salt tolerance of some popular trees in north
Kiangsu. Acta Bot. Sinica 5: 174-176, illus.
(In Chinese. English summary.)
78. Wareing, P. F., and Roberts, D. M.
1956. Photoperiodic control of cambial activity in
Robinia pseudoacacia L. New Phytol. 55: 356-366,
illus.
79. Wilde, S. A.
1953. Trees of Wisconsin - their ecological and silvi-
cultural silhouettes. 44 pp., Soils Dept., Univ.
Wis., Madison.
80. Zlataric, Boris
1952. (Photoperiodism and growth of the white mulberry,
black locust, and two proveniences of the Austrian
pine.) Sumarski List 76: 229-239, illus. (In
Serbo-Croat. English summary.)

EFFECT ON SOIL

See also: 276

81. Auten, John T.
1941. Black locust, pines, and sassafras as builders of forest soil. U.S. Dept. of Agr., Forest Serv., Cent. States Forest Expt. Sta. Tech. Note 32, 9 pp., illus.
82. _____
1945. Relative influence of sassafras, black locust, and pines upon old-field soils. Jour. Forestry 43: 441-446.
83. Broadfoot, W. M., and Pierre, W. H.
1939. Forest soil studies: I. Relation of rate of decomposition of tree leaves to their acid-base balance and other chemical properties. Soil Sci. 48: 329-348.
84. Bunusevac, T., and Antic, M.
1951. Uticaj kultura nekih vrsta sumskog drveca na edafske uslove Deliblatske Pescare. (Effect of afforestation with various tree species on edaphic conditions in the Deliblato Sands area.) Glasn. sum. Fak., Beograd No. 3: 129-160. (In Serbian. French summary.) (Not seen.)
85. Garman, W. D., and Merkle, F. G.
1938. Effect of locust trees upon the available mineral nutrients of the soil. Amer. Soc. Agron. Jour. 30: 122-124.
86. Gustafson, A. F.
1935. Composition of black locust leaf mold and leaves and some observations on the effects of the black locust. Amer. Soc. Agron. Jour. 27: 237-239.
87. Gyurko, Pal
1955. Nehany adat as akac rizosferajarol. (Some data on the rhizosphere of black locust.) Erdő 4: 121-128, illus. (In Hungarian.)
88. Ike, Albert Francis, Jr.
1957. The effect of black locust (Robinia pseudoacacia L.) on soil nitrogen accumulation and availability. (Unpublished M.S. Thesis, Cornell Univ.) 79 pp.

89. Ike, Albert Francis, Jr., and Stone, E. L.
1958. Soil nitrogen accumulation under black locust.
Soil Sci. Soc. Amer. Proc. 22: 346-349.
90. Ikeda, Shigeru
1954. (On the distribution of fungi in sand-dune soil.)
Jap. Forestry Soc. Jour. 36: 221-224. (In
Japanese. English summary.)
91. Lunt, H. A.
1935. The application of a modified procedure in
nitrogen transformation studies in forest soils.
Amer. Soc. Agron. Jour. 27: 346-355, illus.
92. Milosevic, R. S.
1956. L'effet de la vegetation sur la microflore des
sols sablonneux dans la region des sables de
Deliblato. Sixth Internat'l. Cong. Soil Sci.
Trans. C: 115-120. (In French. English summary.)
93. Morishita, Yoshiro and Manabe, Tatsuo
1956. (Studies on the improvement of poor land. (1)
On drought and humidity resistance of fertilizer
trees.) Rin Go-Shiken-Hokoku 88: 37-64, illus.
(In Japanese. English summary.)
94. Saly, R.
1954. Agat a poda. (Black locust and the soil.) Les,
Bratislava 1 (7/8): 9-18. (In Slovak.) (Not seen.)
95. Taber, Willard A.
1951. Fungi of two forest soils of Johnson County. Iowa
Acad. Sci. Proc. 58: 209-214, illus.
96. Wilson, H. A.
1957. Effect of vegetation upon aggregation in strip-
mine spoils. Soil Sci. Soc. Amer. Proc. 21:
637-640.

SOCIOLOGY AND SUCCESSION

97. Allard, H. A.
1943. The locust consocieties in the developmental forest of Bull Run Mountain, Virginia. *Ecol.* 24: 485-492.
98. Bruner, M. H.
1955. Loblolly pine takes over black locust planting. *Jour. Forestry* 53: 137-138.
99. Larsen, J. A.
1935. Natural spreading of planted black locust in southeastern Ohio. *Jour. Forestry* 33: 616-619.
100. Potzger, J. E., and Potzger, Esther
1950. Secondary succession in an Illinoian tillplain habitat. *Ind. Acad. Sci. Proc.* 1949. 59:95-101.
101. Romanov, A. A.
1959. (Interaction of tree and bush species in shelter-belts.) *Agrobiologiya* 2: 252-257. (In Russian.)

ARTIFICIAL REGENERATION

LOCAL PLANTING, GULLY RECLAMATION

102. Afanasiev, M.
 1947. Trees and tree-planting for posts, windbreaks, and erosion control. Okla. Agr. Expt. Sta. Bul. B-314, 22 pp., illus.
103. Allen, John C.
 1953. A half century of reforestation in the Tennessee Valley. Jour. Forestry 51: 106-113.
104. Beltram, V.
 1951. Robinie und Götterbaum in der Bauernaufforstung. Schweiz. Ztschr. f. Forstw. 102: 519-523, illus. (In German.)
105. Cunliff, K. M.
 1953. Trees for tomorrow. Trees in South Africa 5(3): 13-14, illus.
106. Goggans, J. F., and May, J. T.
 1950. Black locust plantations in the Piedmont Region of Alabama. Ala. Agr. Expt. Sta. Cir. 98, 7 pp., illus.
107. Hamilton, John R.
 1953. Planting black locust for fence posts. Ga. Expt. Sta. Cir. 170, 11 pp., illus.
108. Jackson, W. E.
 1955. Seeding and growing black (yellow) locust trees. Ky. Univ. Agr. Ext. Serv. Cir. 531, 14 pp., illus.
109. Kellogg, Leonard F.
 1933. Black locust planting for erosion control. U.S. Dept. of Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 3, 5 pp. (Processed.)
110. Maddox, R. S.
 1922. Directions for planting black locust seed, and black locust seedlings and sprouts. Tenn. Forestry Bur. Cir. 3, 7 pp., illus.

111. Mattoon, Wilbur R.
1937. Growing black locust trees. U.S. Dept. Agr. Farmers' Bul. 1628, Rev. Ed., 30 pp., illus.
112. Meade, Fayette M.
1951. Forest plantations in Arkansas. Ark. Agr. Expt. Sta. Bul. 512, 50 pp., illus.
113. Meginnis, H. G.
1933. Using soil-binding plants to reclaim gullies in the South. U.S. Dept. Agr. Farmers' Bul. 1697, 18 pp., illus.
114. Miller, E. E.
1921. Black locust reclaims lost lands. Amer. Forestry 27: 252-253, 264.
115. Miller, F. G.
1928. Black locust and how to grow it. Idaho Univ. School of Forestry Bul. 2, 17 pp., illus.
116. Minckler, L. S. and Chapman, A. G.
1948. Tree planting in the Central, Piedmont, and Southern Appalachian regions. U.S. Dept. Agr. Farmers' Bul. 1994, 39 pp., illus.
117. Obradovic, M.
1955. (Afforestation in arid regions. Accelerated planting before the autumnal growth period.) Sumarstvo 8: 139-147, illus. (In Serbian. English summary.)
118. Rupert, Pavle
1952. Jedna racionalna metoda posumljavanja lakih tala. (A rational method of afforesting light soils.) Sumarski List 76: 451-458, illus. (In Croatian. German summary.)
119.

1953. Eine rationelle methode zur aufforstung leichter boden mit robinie. Schweiz, Z. f. Forstw. 104: 619-621. (In German.)
120. Stoeckeler, Joseph H.
1946. Alkali tolerance of drought-hardy trees and shrubs in the seed and seedling stage. Minn. Acad. Sci. Proc. 14: 79-83.
121. U.S. Dept. Agr., Forest Serv., Southern Forest Expt. Sta.
1956. Pines thrive and hardwoods fail on Ozark old fields. Ann. Rpt. 1955: 16-17.

FIELD PLANTING TECHNIQUES

122. Aikman, J. M., and Cooper, G. R.
1949. Direct seeding of black locust for production of posts in southern Iowa. Iowa Acad. Sci. Proc. 56: 95-99, illus.
123. Cooper, George R. and Aikman, J. M.
1950. Some responses of black locust to planting site treatment. Iowa Acad. Sci. Proc. 57: 73-90, illus.
124. Culbertson, Glenn
1914. Some preliminary investigations with regard to the cultivation of the black locust in southeastern Indiana. Ind. State Bd. of Forestry Ann. Rpt. 14: 67-72, illus.
125. DenUyl, Daniel
1948. Forest plantations - their establishment, growth, and management. Purdue Univ. Agr. Expt. Sta. Cir. 331, 31 pp., illus.
126. McLintock, Thomas F.
1940. Effects of ground preparation on survival and growth of planted pine and black locust. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Tech. Note 23, 4 pp.
127. Meginnis, H. G.
1934. The effect of cultivating young black locust. Jour. Forestry 32: 569-571, illus.
128.

1940. Effect of top pruning on survival and early growth of black locust. Jour. Forestry 38: 30-36.
129. Stoeckeler, Joseph H.
1937. Relation of size of deciduous nursery stock to field survival in the Great Plains. Jour. Forestry 35: 773-777, illus.
130. Williston, Hamlin L. and Huckenpahler, Bernard J.
1957. Hardwood underplanting in north Mississippi. Jour. Forestry 55: 287-290.

SEED COLLECTION, TREATMENT, NURSERY PRACTICE

See also: 128, 129

131. Chapman, A. G.
1935. A modified "Ames" type of scarifier for black locust seed. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 26, 4 pp., illus. (Processed.)
132. _____
1936. Scarification of black locust seed to increase and hasten germination. Jour. Forestry 34: 66-74, illus.
133. Holmes, G. D. and Buszewicz, G.
1958. The storage of seed of temperate forest tree species. Part II. Forestry Abs. 19: 455-476.
134. Kellogg, Leonard F.
1933. Extraction of black locust seed. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 2, 2 pp. (Processed.)
135. _____
1936. Collection, extraction and yield of black locust seed. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 28, 5 pp. (Processed.)
136. Kuenzel, John G.
1933. Collection of black locust seed. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 1, 2 pp. (Processed.)
137. McKeever, D. G.
1937. A new black locust seed treatment. Jour. Forestry 35: 500-501.
138. Meginnis, H. G.
1935. Losses of black locust planting stock in storage. Jour. Forestry 33: 534-535.
139. _____
1937. Sulfuric acid treatment to increase germination of black locust seed. U.S. Dept. Agr. Cir. 453, 34 pp., illus.

140. Meginnis, H. G.
1938. Effect of depth of sowing on nursery yields of black locust. Jour. Forestry 36: 411-416, illus.
141. Myer, Ben F.
1936. A home-made thresher for black locust seed pods. U.S. Dept. Agr., Forest Serv.; Cent. States Forest Expt. Sta. Note 27, 3 pp., illus. (Processed.)
142. Olsen, C. F.
1934. Notes on black locust pod collection, seed extraction, and seed cleaning. Jour. Forestry 32: 97-98.
143. Ozawa, J. and Matsuura, T.
1954. Studies on the hard seeds of leguminous trees. (V). Comparison of species and home as regards hard seeds, resulting from difference of treatment. Forest Expt. Sta. Hokkaido Spec. Rpt. 2: 50-58 (Not seen.) Japan.
144. Peneff, Nicola
1941. Die Überwindung der Hartschaligkeit beim Saatgut der Robinie (*Robinia pseudoacacia* L.) Forstwiss Centbl. 63: 232-237, illus. (In German.)
145. Sato, Kunihiko and Shoji, Tsugio
1954. (On disinfection and hastening germination of black locust seeds.) Jap. For. Soc. Jour. 36: 244-247, illus. (In Japanese. English summary.)
146. Schubert, J.
1955. Zur Prüfung hartschaligen Saatgutes von *Robinia pseudoacacia* L. (Testing hardcoated black locust seed.) Arch. Forstw. 4: 241-269, illus. (In German.)
147. Sites, John W.
1939. Choose superior locust stands for seed collection. Soil Conserv. 5: 32-33, 43, illus.
148. Spickett, R. G. W. and Squires, J. A.
1954. *Robinia pseudoacacia* seeds from Cyprus. Colon. Plant and Animal Prod. 4: 57-59.
149. Thoresen, Carl T.
1942. Trailer thresher speeds up black locust seed extraction. Jour. Forestry 40: 584-585, illus.

150. Wilson, J. D. and Bailey, Carl
1957. Soil treatments may increase stand of locust seedlings. Ohio Farm and Home Res. 42(306): 44-46, illus.
151. Wilson, J. K.
1937. Scarification and germination of black locust seed. Jour. Forestry 35: 241-246.
152. 1944. Immersing seeds of species of Robinia in boiling water hastens germination. Jour. Forestry 42: 453-454.

VEGETATIVE PROPAGATION

153. Gardner, F. E.
 1929. The relationship between tree age and the rooting of cuttings. Amer. Soc. Hort. Sci. Proc. 26: 101-104.

154. Hyodo, Masahiro
 1953. On the root cutting of *Robinia pseudoacacia* var. *bessoniana*. Jap. Forestry Soc. Jour. 35: 289-291, illus.

155. _____
 1953. (On the stem cuttings of *Robinia pseudoacacia* var. *bessoniana*. Treated with "Rootone" and naphthalene sodium acetate.) Rin Go-Shiken-Hokoku 65: 57-59. (In Japanese. English summary.)

156. _____
 1954. (On the propagation of *Robinia pseudoacacia* var. *umblaculifera* by means of stem and root cuttings, especially by treating with hormone chemical.) Rin Go-Shiken-Hokoku 70: 47-56. (In Japanese. English summary.)

157. Sakaguti, Katumi and Yamaji, Kisoo
 1951. (Studies on vegetative propagation of trees, especially the relation between the change of constitutive substances and survival of *Robinia* spp. cuttings.) (A preliminary report.) Jap. Forestry Soc. Trans. 59: 73-76, illus. (In Japanese.) English summary.)

158. Stoutemyer, V. T., Jester, J. R., and O'Rourke, F. L.
 1940. Propagation of black locust clones by treating hardwood cuttings with growth substances. Jour. Forestry 38: 558-563, illus.

159. Swingle, Charles F.
 1937. Experiments on propagating shipmast locust. Jour. Forestry 35: 713-720, illus.

160. Veen, B.
 1952. (Propagation of *Robinia pseudoacacia*.) Nederland. Boschbouw-Tidjdschr. 24: 8-14, illus. (In Dutch. English summary.)

FERTILIZATION

161. Brüning, D.
 1952. Beitrag zur Forstdüngungsfrage. (The fertilizer question in forestry.) Wald 2: 338-342, 367-372, illus. (In German.)

162.

 1952. Beobachtungen über kali-und magnesiummangel bei der Robinie und der perennierenden lupine. Ernähr. der Pflanze 3: 129-139. (In German. English summary.)

163. Cummings, William Hawke
 1942. Nutrition of black locust in fertilized field plantings. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 41, 2 pp.

164. DenUyl, Daniel
 1944. Effect of fertilizer on planted black locust. Jour. Forestry 42: 450-451.

165. Hallsworth, E. G., editor
 1958. Nutrition of the legumes. Nottingham Univ. Fifth Easter School in Agr. Sci. Proc. London. 359 pp., illus.

166. Holsoe, Torkel
 1941. Fertilizing planting stock on eroded soils. Jour. Forestry 39: 69-70.

167. Miyazaki, Sakaki, Okinaga, Tetsukazu, and Harata, Minoru
 1954. (Effect of fertilizer on the growth of black locust seedlings transplanted in Kosaka bare lands and injured by the strong sulphate smoke.) Rin Go-Shiken-Hokoku 74: 177-190, illus. (In Japanese. English summary.)

168. Schönnamsgruber, Helmut
 1955. Studien über den Phosphathaushalt von junger Holzpflanzen, insbesondere von Pappeln. (Phosphate uptake of young woody plants, particularly poplars.) Mitt. Württemb. Forstl. Versuchsanst. 12(2): 68 pp., illus. (In German.)

169. Walker, Nat
 1955. Response of black locust to phosphate fertilizer. (Abstract.) Jour. Forestry 53: 844.

BLACK LOCUST AS A NURSE TREE

See also: 72, 193

170. Chapman, A. G.
1935. The effects of black locust on associated species with special reference to forest trees. Ecol. Monog. 5: 37-60, illus.
171. _____ and Lane, R. D.
1951. Effects of some cover types on interplanted forest tree species. U.S. Dept. Agr., Forest Serv., Central States Forest Expt. Sta. Tech. Paper 125, 15 pp., illus.
172. Deitschman, Glenn H.
1956. Growth of underplanted hardwoods in black locust and shortleaf pine plantations. U.S. Dept. Agr., Forest Serv., Central States Forest Expt. Sta. Note 94, 2 pp.
173. Ferguson, J. A.
1922. Influence of locust on the growth of catalpa. Jour. Forestry 20: 318-319.
174. Finn, Raymond F.
1953. Foliar nitrogen and growth of certain mixed and pure forest plantings. Jour. Forestry 51: 31-33.
175. Kellogg, Leonard F.
1936. Failure of black locust - coniferous mixtures in the Central States. U.S. Dept. Agr., Forest Serv., Central States Forest Expt. Sta. Note 15, rev., 4 pp. (Processed)
176. Krah1-Urban
1949. Die Akazie, Eine wertvolle Holzart für den Anbau ausserhalb und innerhalb des Waldes. Allg. Forstztschr. 4: 461-462.
177. McIntyre, Arthur G., and Jeffries, C. D.
1932. The effect of black locust on soil nitrogen and growth of catalpa. Jour. Forestry 30: 22-28, illus.
178. Perry, George S.
1932. Some tree antagonisms. Pa. Acad. Sci. Proc. 6: 136-141.
179. Wagenknecht, E.
1956. Die Douglasie als Unterbauholzart. (Douglas-fir for underplanting.) Allg. Forstztschr. 11: 584-586, illus. (In German.)

SPOIL-BANK RECLAMATION

See also: 96

180. Beunis, P. C.
1956. De bebossing van mijnsteenstorten in Zuid-Limburg. (Afforestation of mine spoil-mounds in South Limburg.) Tijdschr. Nederland. Heidemaatsch., Arnhem. 67: 179-187, illus. (In Dutch.)
181. Chapman, A. G.
1944. Forest planting on strip-mined coal lands with special reference to Ohio. U.S. Dept. Agr., Forest Serv., Central States Forest Expt. Sta. Tech. Paper 104, 25 pp., illus.
182. Dean, F. W.
1925. The reclamation of coal stripped lands. Jour. Forestry 23: 677-682.
183. Deitschman, Glenn H.
1950. Comparative survival and height growth of trees planted under three types of overhead cover on strip-mined land in southern Illinois. U.S. Dept. Agr., Forest Serv., Central States Forest Expt. Sta. Note 63, 2 pp.
184. _____
1950. Seedling survival and height growth on graded and ungraded strip-mined land in southern Illinois. U.S. Dept. Agr., Forest Serv., Central States Forest Expt. Sta. Note 62, 2 pp., illus.
185. _____ and Lane, Richard D.
1952. Forest planting possibilities on Indiana coal-stripped lands. U.S. Dept. Agr., Forest Serv., Central States Forest Expt. Sta. Tech. Paper 131, 57 pp., illus.
186. DenUyl, Daniel
1955. Hardwood tree planting experiments on strip-mine spoil banks of Indiana. Purdue Univ. Agr. Expt. Sta. Bul. 619, 16 pp., illus.

187. Finn, Raymond F.
1958. Ten years of strip-mine forestation research in Ohio. U.S. Dept. Agr., Forest Serv., Central States Forest Expt. Sta. Tech. Paper 153, 38 pp., illus.
188. Hart, George E., and Byrnes, William R.
(N.d.) Performance of trees planted on coal-stripped lands in the bituminous region of Pennsylvania. Pa. State Forest School Res. Paper 28, 2 pp.
189. Limstrom, G. A.
1948. Extent, character, and forestation possibilities of land stripped for coal in the Central States. U.S. Dept. Agr., Forest Serv., Central States Forest Expt. Sta. Tech. Paper 109, 79 pp., illus.
190. _____
1960. Forestation of strip-mined land in the Central States. U.S. Dept. Agr. Handb. No. 166, 74 pp., illus.
191. _____ and Deitschman, G. H.
1951. Reclaiming Illinois strip coal lands by forest planting. Ill. Agr. Expt. Sta. Bul. 547: 199-251, illus.
192. Potter, H. Spencer, Weitzman, Sidney, and Trimble, George R., Jr.
1951. Reforestation of strip-mined lands in West Virginia. U.S. Dept. Agr., Forest Serv., Northeast. Forest Expt. Sta. Paper 43, 28 pp., illus.
193. Schavilje, Joseph P.
1941. Reclaiming Illinois strip-mined coal lands with trees. Jour. Forestry 39: 714-719.
194. Schramm, J. R.
1954. Plant colonization of black anthracite-mining wastes. 8th Internatl. Bot. Cong. Paris, Sec. 7: 233-234.
195. Wood, R. F., and Thirgood, J. V.
1954. Survey of tree growth on colliery spoil heaps. Forestry Comm. London Rpt. Forest Res. 1952/1953: 43-47.

SILVICULTURE AND MANAGEMENT

See also: 79, 218

196. Blümke, S.
1954. Robinienkulturen im oberrheinischen steppengebiet. Allg. Forst-u. Jagd-Ztg. 125: 319-324, illus. (In German. English summary.)
197. Bramble, W. C., and Worley, D. P.
1952. Control of black locust with chemical sprays. Pa. State Col. Agr. Expt. Sta. Prog. Rpt. 72, 5 pp., illus.
198. Gaskill, Alfred.
1906. Growing locust in Hungary. Forestry Quart. 4: 106-111.
199. Keresztesi, Bela
1954. As akac erdomuvelesi tulajdonsagai es erdogazdasagi jelentosege a Magyar Alfodon. (Silvicultural characteristics and importance of black locust on the Hungarian Plain.) Erdő 3: 181-189, illus. (In Hungarian.)
200. Lentz, A. N.
1949. Growing black locust in New Jersey. Rutgers Univ. Ext. Serv. Leaflet 32, 4 pp., illus.
201. Mattoon, Wilbur R.
1930. Black locust. Jour. Forestry 28: 763-764.
202. Miron, Virgil
1956. Contributii privind folosirea defrisatorului D-210-V la desradacinarea salcimului. (Manufacture of the clearing machine D-210-V for rooting out black locust.) Rev. Padurilor 71: 439-443, illus. (In Rumanian. Russian and German summaries.)
203. Smock, J. C.
1874. On cultivating the locust tree for timber. N. J. State Bd. of Agr. Rpt. 1: 55-60.
204. Sterling, E. A.
1908. The management of the black locust plantations of the Pennsylvania Railroad. Engin. News 59: 522-523, illus.

205. Topogritskii, D. P., and Teleshek, IU. K
1957. (Coppice groves from black locust.) Sadov.
Vinograd. i Vinodel Moldavii 12 (6): 26-28, illus.
(In Russian.)
206. Tusko, Ferenc
1957. Adatok az akacmuveles elvi kerdeseihez. (Principal
questions in Robinia culture.) Erdomern. Foisk.
Kozlem. 1956 (2): 21-52, illus. (In Hungarian.
Russian and German summaries.) (Not seen.)

INSECTS

See also: 52, 293

207. Anonymous
1905. The insects affecting the black locust. Cols.
Hort. Soc. Jour. Proc. 20: 79-118.
208. Berry, Frederick H.
1945. Effect of site and the locust borer on plantations
of black locust in the Duke Forest. Jour. Forestry
43: 751-754.
209. Chittenden, F. H.
1902. The leaf-mining locust beetle, with notes on
related species. U.S. Div. Ent. Bul. (n.s.)
33: 75-77, illus.
210. Cotton, E. C.
1906. The insects affecting the black locust and hardy
catalpa. Ohio Dept. Agr., Div. of Nursery and
Orchard Inspection Bul. No. 7, 55 pp., illus.
211. Craighead, F. C.
1919. Protection from the locust borer. U.S. Dept.
Agr. Bul. 787, 12 pp., illus.
212.

1937. Locust borer and drought. Jour. Forestry 35:
792-793.
213. Finn, Raymond F., and Limstrom, Gustaf A.
1957. Black locust sprouts also susceptible to borer
attacks. U.S. Dept. Agr., Forest Serv., Cent.
States Forest Expt. Sta. Note 101, 2 pp., illus.
214. Garman, H.
1916. The locust borer and other insect enemies of
the black locust. Ky. Agr. Expt. Sta. Bul.
200: 98-136, illus.
215. Hall, Ralph C.
1933. Suggestions for locust borer control. U.S. Dept.
Agr., Forest Serv., Cent. States Forest Expt. Sta.
Note 5, 5 pp., (processed).

216. Hall, Ralph C.
1942. Control of the locust borer. U.S. Dept. Agr. Cir. 626, 19 pp., illus.
217. Hopkins, A. D.
1910. Some insects injurious to forests. Part I, The locust borer and Part III, Additional data on the locust borer. U.S. Dept. Agr. Bur. of Ent. Bul. No. 58, 114 pp., illus.
218. MacAndrews, A. H.
1932. The control of the locust borer by forest management. Ent. Soc. Ont. Ann. Rpt. 63: 48-50, illus.
219. Snyder, Thomas E.
1936. Injury to black locust seedlings in forest nurseries in Mississippi and Arkansas by the lesser corn borer. La. Conserv. Rev. 5(1): 10-11, illus.
220. _____ and Lamb, H. N.
1935. Membracid girdling of young black locust seedlings in southern La. and Miss. La. Cons. Rev. 4(6): 9-10, 47, illus.
221. Wollerman, Edward H.
1956. Strains of black locust resistant to borer. Northeast Forest Tree Impr. Conf. Proc. 3: 35-38. (Processed.)
222. Wollerman, Edward H., Reese, C. R., and Kiefer, A. S.
1955. Control of black locust insects by systemics. Jour. Econ. Ent. 48: 760-761.

DISEASES

223. Gilman, J. C., and Sproat, B. B.
1936. A *Fusarium* following frost injury of *Robinia*.
Ia. Acad. Sci. Proc. 43: 101-106, illus.
224. Grant, Theodore J., and Hartley, Carl
1938. A witches-broom on black locust and a similar
disease on honey locust. Plant Dis. Rpt. 22:
28-31. (Processed.)
225. Stout, Donald C., and Readey, J. C.
1942. Systemic brooming, a virus disease of black
locust. Jour. Forestry 40: 253-260, illus.
226. Hartley, Carl, and Haasis, Ferdinand W.
1929. Brooming disease of black locust (*Robinia*
pseudoacacia). Phytopath. 19:163-166, illus.
227. Ito, K., and Kontani, S.
1952. (The causal fungus of web-blight of leguminous
woody plants.) Rin Go-Shiken-Hokoku 54: 45-78.
(In Japanese. English summary.) (Not seen.)
228. Jackson, L. W. R., and Hartley, Carl
1933. Transmissibility of the brooming disease of
black locust. Phytopath. 23: 83-90, illus.
229. Kauffman, C. H., and Kerber, H. M.
1922. A study of the white heart rot of locust,
caused by *Trametes robiniofila*. Amer. Jour.
Bot. 9:493-508, illus.
230. Lambert, Edmund B., and Crandell, Bowen S.
1936. A seedling wilt of black locust caused by
Phytophthora parasitica. Jour. Agr. Res. 53:
467-476, illus.
231. Ribaldi, M.
1954. Su un deperimento di *Robinia pseudo-acacia* L. var.
umbraculifera DC. f. *bessoniana* Cowel, dovuto a
Phomopsis oncostoma (Thüm.) v. Höhnelt. (A dieback
of black locust caused by *Phomopsis oncostoma*.)
Ann. Sper. Agr. (n.s.) 8: 1197-1212, illus. (In
Italian. English summary.)

232. Schrenk, Hermann von
1901. A disease of the black locust (*Robinia pseudo-acacia* L.) Mo. Bot. Gard. Ann. Rpt. 12: 21-31, illus.
233. Scurti, Jole Ceruti
1956. Sulla degradazione dei legni delle piante forestali e da frutto per azoine dell' *Armillaria mellea*.
(The decay of wood of forest and fruit trees caused by *Armillaria mellea*.) Ann. Sper. Agr. (n.s.) 10: 495-512. (In Italian. English summary.)
234. Waters, C. E.
1898. Witches'broom on the locust. Plant World 1: 83-84.
235. Wright, Ernest
1957. Influence of temperature and moisture on damping-off of American and Siberian elm, black locust, and desert-willow. Phytopath. 47: 658-662, illus.

SITE CHARACTERISTICS AND QUALITY

See also: 208

236. Auten, John T.
1933. Site requirements of black locust. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 4, 4 pp. (Processed.)
237. _____
1936. Soil profile studies in relation to site requirements of black locust and black walnut. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 31, 11 pp. (Processed.)
238. _____
1945. Some soil factors associated with site quality for planted black locust and walnut. Jour. Forestry 43: 592-598, illus.
239. Babos, Imre
1958. (Site investigations in black locust stands growing on the ridge of sand hills of the forest region between the Danube and the River Tisza.) Erdeszet. kutatasok. 1/2: 3-58, illus. (In Hungarian. English summary.)
240. Coile, T. S.
1938. Forest classification: Classification of forest sites with special reference to ground vegetation. Jour. Forestry 36: 1062-1066.
241. _____ and Gaiser, R. N.
1942. Effect of soil aeration on the foliation of black locust seedlings. Jour. Forestry 40: 660-661, illus.
242. Cooper, George R.
1952. Response of the black locust, *Robinia pseudoacacia* L., to environmental factors. Ia. State Col. Jour. Sci. 26: 189-191.
243. Gibbs, J. A., and Ligon, W. S.
1941. Correlation of sites and species in tree planting. Soil Sci. Soc. Amer. Proc. 6: 413.

244. Grant, Theodore J.
1940. A method for judging quality of planting sites for black locust based on field clinic data. U.S. Dept. Agr., Soil Conserv. Serv. SCS-TP-34, 13 pp., illus. (Processed.)
245. Hopp, Henry, and Grober, Samuel
1947. Effect of site on growth of shipmast locust. Jour. Agr. Res. 74: 315-328, illus.
246. Jaro, Z.
1953. Az akac termohelyi igenye. (The site requirements of black locust.) Erdő 2: 322-335, 390-391, 394-395. (In Hungarian. Russian and French summaries.) (Not seen.)
247. Kellogg, Leonard F.
1939. Site index curves for plantation black locust, central states region. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 36, 3 pp., illus. (Processed.)
248. Kittredge, Joseph
1952. Deterioration of site quality by erosion. Jour. Forestry 50: 554-556.
249. Ligon, W. S.
1940. Influence of soil type and other site factors on the success of tree plantings for erosion control. (Abstract.) Jour. Forestry 38: 226-227.
250. McComb, A. L., and Kapel, Frank J.
1940. Growth of seedling black locust and green ash in relation to subsoil acidity and fertility. Jour. Forestry 38: 228.
251. _____, and _____
1942. Effect of subsoil acidity and fertility on the growth of seedling black locust and green ash. Plant Physiol. 17: 7-15, illus.
252. Minckler, L. S.
1948. Planted black locust on claypan soils of southern Illinois. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 46, 2 pp., illus.
253. Roberts, E. G.
1939. Soil depth and height growth of black locust. Jour. Forestry 37: 583-584.

See also 31, 32,
33, 34

254. Murphy, W. K.
1959. Nature has its own fence post preservative. Ohio Farm and Home Res. 44: 71, 77, illus.
255. Nearn, William T.
1955. Effect of water soluble extractives on the volumetric shrinkage and equilibrium moisture content of eleven tropical and domestic woods. Pa. State Univ. Agr. Expt. Sta. Bul. 598, 38 pp., illus.
256. Power, Frederick B.
1913. The poisonous constituent of the bark of Robinia pseudoacacia. Amer. Jour. Pharm. 85: 339-344.
257. Scheffer, Theodore C., Lachmund, Harry G., and Hopp, Henry
1944. Relation between hot-water extractives and decay resistance of black locust wood. Jour. Agr. Res. 68: 415-426, illus.
258. Siminovitch, D., and Briggs, D. R.
1954. Studies on the chemistry of the living bark of the black locust in relation to its frost hardiness. VII. A possible direct effect of starch on the susceptibility of plants to freezing injury. Plant Physiol. 29: 331-337, illus.
259. _____ Chater, A. P. J., and Swann, I.
1956. Seasonal variations in the rate of incorporation of amino acids into the proteins of the cells of the bark of the black locust tree in relation to the seasonal variation in its protein and frost hardiness. (Abstract.) Plant Physiol. 31 (Sup.): viii.
260. _____ Wilson, C. M., and Briggs, D. R.
1953. Studies on the chemistry of the bark of the black locust in relation to its frost hardiness. V. Seasonal transformations and variations in the carbohydrates: starch-sucrose interconversions. Plant Physiol. 28: 383-400, illus.

261. Taraschi, F.
1955. Microscopia normale e in contrasto di fase per sezioni di legno e materiale fibroso. (Normal and phase-contrast microscopy for the examination of wood sections and fibrous material.) Cellulosa e Carta 6(4): 8-17, illus. (In Italian. English summary.) (Not seen.)
262. Venet, J.
1951. Etude de la resistance mecanique des bois de mine. Nancy, Ecole Natl. Eaux et Forets Ann. 12: 323-408, illus.
263. Waks, C.
1936. The influence of extract from Robinia pseudoacacia on the growth of barley. Pub. Fac. Sci. Univ. Charles, Praha 150: 84-85.
264. Wall, Monroe E., and others
1957. Steroidal sapogenins XLIII. Survey of plants for steroidal sapogenins and other constituents. Amer. Pharm. Assoc. Jour. (Sci. Ed.) 46: 653-684.
265. Zimmerman, M.
1954. Über die sekretion sacchrosespaltender trans-glukosidas em in pflanzlichen nektar. Experientia 10: 145-146, illus. (In German. English summary.)

PRODUCTS, MANUFACTURING, PRESERVATION

See also: 262

266. Bailey, Ned
1952. Know your wood: locust. Wood Working Digest
54: 89-91.
267. Barlai, Ervin
1955. Az aka ipari felhasználhatósága (The industrial
utilization of Robinia wood.) Erdő 4: 61-64.
(In Hungarian.)
268. Bommer, R., Jr. and Edwards, E.
1959. The locust tree and a unique industry. Northeast.
Logger 7(9): 12-13, 29, illus.
269. Cope, J. A.
1942. Black locust for posts. Cornell Ext. Bul. 539,
23 pp., illus.
270. Crumley, J. J.
1910. The relative durability of post timbers. Ohio
Agr. Expt. Sta. Bul. 219, in Ohio Agr. Expt. Sta.
Ann. Rpt. 29: 605-640, illus.
271. Cuno, John B.
1930. Utilization of black locust. U.S. Dept. Agr. Cir.
131, 19 pp., illus.
272. Dunnington, F. P.
1915. A new native dye wood. Jour. Indus. and Engin.
Chem. 7: 806.
273. Freudenberg, Karl, and Hartmann, Ludwig
1953. Inhaltsstoffe aus Robinia pseudoacacia. Naturw.
40: 413, illus. (In German.)
274. _____, and _____
1954. Inhaltsstoffe der Robinia pseudoacacia. Justus
Liebig's Ann. der Chem. 587: 207-212, illus.
(In German.)
275. Ginther, C. M.
1903. Growing locusts for fence posts in the Middle
West. Country Life in Amer. 4: 468, 470, illus.

276. Herzner, R. A.
1949. Über die Wechselwirkung verschiedener Holz- und Bodenarten: ein Beitrag zur Kenntnis der Korrosionsfestigkeit heimischer Hölzer. (The reciprocal effects of various timbers and soils: a contribution to knowledge of the natural durability of Austrian timbers.) Zentbl. Gesell. Forst-u. Holzwirtschaft. 71: 4-19. (In German. English summary.)
277. Hirt, Ray R.
1938. A progress report on laboratory tests of relative durability of different varieties of black locust subjected to certain wood decay fungi. Jour. Forestry 36: 53-55.
278. Kühne, H.
1951. Untersuchungen über einige Eigenschaften des Eschen- und Robinienholzes im Hinblick auf dessen Verwendung für Werkzeugstiele. (Investigations on some properties of the woods of ash and black locust with reference to their use for tool handles.) Ber. Eidg. Material prüfungs- und Versuchsanst. für Indus., Bauwesen und Gewerbe, Zürich No. 179: 5-28. (In German. English summary.) (Not seen.)
279. Lamfalussy, S.
1953. Hordodongak termelesee a dongakeszites gepesitese. (Stave production and its mechanization.) Erdő 2: 369-381, 392-393, 396. (In Hungarian. Russian and German summaries.) (Not seen.)
280. Mell, C. D.
1923. The woods of commerce: the locust tree. Lumber Manufacturer and Dealer (1000): 11, illus.
281. Miller, E. E.
1905. Locusts for posts. Successful Farming 4(3): 20.
282. Turner, Lewis M.
1934. Growing black locusts for posts. Ark. Univ. Ext. Cir. 327, 4 pp.

USE BY WILD AND DOMESTIC ANIMALS

283. Chapman, Floyd B.
1947. The locusts in wildlife conservation. Ohio Conserv. Bul. 11(2): 22-23, illus.
284. Cook, W. G.
1913. Locust poison. Ohio State Univ. Vet. Alumni. Quart. 1(2): 54-55.
285. Edminister, Frank C.
1941. Wildlife management through soil conservation on farms in the northeast. U.S. Dept. Agr. Farmers' Bul. 1868, 54 pp., illus.
286. Galley, W.
1952. Bienenzucht und Forstwirtschaft (vom Standpunkt des Forstwirts aus gesehen). (Beekeeping and forestry (from the forester's point of view).) Wald 2: 190-191. (In German.)
287. McAtee, W. L.
1936. Groups of plants valuable for wildlife utilization and erosion control. U.S. Dept. Agr. Cir. 412, 12 pp., illus.
288. Nehring, K., and Schramm, W.
1951. Über die Zusammensetzung und den Futterwert von Laub und Reisig. III. Mitteilung: Über den Futterwert von Falllaub und Winterreisig. (Composition and fodder value of foliage and twigs. III. Fodder value of shed foliage and winter twigs.) Archiv für Tierernähr. Berlin 1: 342-360. (In German.) (Not seen.)
289. Ripley, Thomas H., Cookingham, Russell A., and Corrinet, Robert P.
1957. Black locust for quail in Massachusetts. Jour. Wildlife Mangt. 21: 459.
290. Samosadowa, K. J.
1952. Die Waldschutzstreifen als zusätzliche Bienenweide. (Shelterbelts as supplementary bee pastures.) Leipzig. Bienenztg. 66: 228-230. (In German.)

291. Schwärzel, E.
1952. Bienenzucht und Forstwirtschaft. (Beekeeping and forestry.) Wald 2: 85-86. (In German.) (Not seen.)
292. Van Dersal, William R.
1938. Native woody plants of the United States, their erosion-control and wildlife values. U.S. Dept. Agr. Misc. Pub. 303, 362 pp., illus.

MEASUREMENTS

293. Hall, Ralph C.
1937. Growth and yield of shipmast locust on Long Island and its relative resistance to locust borer injury. Jour. Forestry 35: 721-727, illus.
294. Kellogg, Leonard F.
1933. Growth of black locust. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 6, 2 pp. (Processed.)
295.

1934. A black locust volume table for contents in board feet. Plantation black locust, Central Hardwood Region, Int. 1/8" rule, 5" top D.I.B. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 9, 1 p. (Processed.)
296.

1934. A black locust volume table for contents in merchantable cubic feet. Plantation black locust, Central Hardwood Region, with bark to 4" top D.O.B. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 11, 1 p. (Processed.)
297.

1934. A black locust volume table for contents in board feet. Plantation black locust, Central Hardwood Region, Scribner rule, 8" top D.I.B. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 10, 1 p. (Processed.)
298.

1934. A black locust volume table for contents in cubic feet. Plantation black locust, Central Hardwood Region, entire stem less bark. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 7, 1 p. (Processed.)
299.

1934. Preliminary table of post contents. Plantation black locust, Central States Region. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 13, 2 pp. (Processed.)

300. Kellogg, Leonard F.
1935. Table of standard bolt cuts showing the number and diameter by size classes. Plantation black locust, Central Hardwood Region. U.S. Dept. Agr., Forest Serv., Cent. States Forest Expt. Sta. Note 14, rev., 3 pp. (Processed.)
301. Pfankuch, Dale J., and Duncan, Donald P.
1956. Growth of C.C.C. forest plantations in south-eastern Minnesota. Minn. Univ. School Forestry Note 53, 2 pp., illus. (Processed.)
302. Sapriza, Vera Ciro
1954. Crecimiento de algunos arboles en el Uruguay. Banco Hipotecario del Uruguay Bul. (Ser. 2) 62: 23-25, 54. (In Spanish.)
303. Szonyi, Laszlo
1958. Growth investigations in black locust stands. Erdeszeti Kutatasok 1/2: 59-75, illus.
304. Vimmerstedt, J. P.
1958. Estimating d.b.h. from stump diameter in southern Appalachian species. U.S. Dept. Agr., Forest Serv., Southeast. Forest Expt. Sta. Res. Note 110, 2 pp. (Processed.)

For your reference file

(Cut out or copy)

Funk, David T. and Roach, Benjamin A.

1961. Black locust - a bibliography.

U.S. Dept. Agr. Forest Serv. Cent. States
Forest Expt. Sta. Misc. Release 33, 40 pp.,
illus.

A classified list of more than 300 literature citations
dealing with black locust.

The Central States Forest Experiment Station is headquartered at Columbus, Ohio and maintains major field offices at:

Ames, Iowa (in cooperation with Iowa State University)

Athens, Ohio (in cooperation with Ohio University)

Bedford, Indiana

Berea, Kentucky (in cooperation with Berea College)

Carbondale, Illinois (in cooperation with Southern Illinois University)

Columbia, Missouri (in cooperation with the University of Missouri)

